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organizing audio video content and prefetching to display to user



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1 [Predictive prefetch in the Nemesis multimedia information service](#)



H. Katseff, B. Robinson

October 1994 **Proceedings of the second ACM international conference on Multimedia
MULTIMEDIA '94**

Publisher: ACM Press

Full text available: [pdf\(793.52 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Critical to the success of future multimedia services is the ability to provide fast access to stored information via communications networks. In the Nemesis project, we focus on application control protocols for delivering stored multimedia to a user. We are exploring adaptive rate control schemes that make use of predictive prefetch of information from remote storage servers as a strategy for coping with short-term network congestion. For users with low-end equipment or slow network connections...

2 [Embedded video in hypermedia documents: supporting integration and adaptive control](#)



Dick C. A. Bulterman

October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4

Publisher: ACM Press

Full text available: [pdf\(2.41 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As the availability of digital video becomes commonplace, a shift in application focus will occur from merely accessing video as an independent data stream to embedding video with other multimedia data types into coordinated hypermedia presentations. The migration to embedded video will present new demands on application and support environments: processing of any one piece of video data will depend on how that data relates to other data streams active with ...

Keywords: adaptive control, embedded video, hypermedia documents, multimedia, synchronization, video presentation

3 [Web content adaptation for mobile handheld devices](#)



Dongsong Zhang

February 2007 **Communications of the ACM**, Volume 50 Issue 2

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[Preferences](#)

WebResults 1 - 7 of about 12 for **"user preference" "display window" prefetch**. (0.43 seconds)**Methods and apparatus for presenting content - Patent 20050166153**

The method according to claim 1, further comprising setting a **prefetch** parameter for a ...
buffer based on a **user's preference** and a current **display window**. ...

www.freepatentsonline.com/20050166153.html - 47k - [Cached](#) - [Similar pages](#)

Synchronized Multimedia Integration Language (SMIL 2.1)

Evaluates to true if the **user preference** matches this attribute value. ... User-agents can
ignore **prefetch** elements, though doing so may cause an ...

www.w3.org/TR/2005/REC-SMIL2-20051213/smil21.html - 977k - [Cached](#) - [Similar pages](#)

[PDF] Version 3.1 for HDML

File Format: PDF/Adobe Acrobat - [View as HTML](#)

notifications, **user preference**, settings, the service registry, faxing, or bookmarks. Does
not transcode between the character set the HDML service ...

developer.openwave.com/docs/31h/tools.pdf - Supplemental Result - [Similar pages](#)

[PDF] Department of Veterans Affairs

File Format: PDF/Adobe Acrobat - [View as HTML](#)

3.4.2.3.2 Enabling **Prefetch** 98. 3.4.2.3.3 Viewing
and Changing **Prefetch** ...

[opensourcevista.net:8888/NancysVistAServer/FOIA_9-](http://opensourcevista.net:8888/NancysVistAServer/FOIA_9-02/Disk3/Documents/IMGinstallgd.pdf)

02/Disk3/Documents/IMGinstallgd.pdf - Supplemental Result - [Similar pages](#)

[PDF] Department of Veterans Affairs

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A Imaging **Display Window** 19 ... Radiology **Display**
Window

[opensourcevista.net:8888/NancysVistAServer/FOIA_9-](http://opensourcevista.net:8888/NancysVistAServer/FOIA_9-02/Disk3/Documents/IMGuserman.pdf)

02/Disk3/Documents/IMGuserman.pdf - Supplemental Result - [Similar pages](#)

[PDF] Derwent

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A semiconductor memory employing a hierarchical **prefetch** method for increasing data rate
or ... The computer program generates a **display window** (127) that ...

scientific.thomson.com/ts/media/dw/productpdfs/itppdfs/itctsof.pdf - [Similar pages](#)

'From Squeak3.0 of 4 February 2001 [latest update: #3545] on 18 ...

'From Squeak3.0 of 4 February 2001 [latest update: #3545] on 18 February 2001 at 1:11:38
am!' !AsynchFilePlugin methodsFor: 'primitives' stamp: 'ar 2/6/2001 ...

www-sor.inria.fr/~piumarta/squeak/unix/3.1beta/Squeak3.1beta-4478.changes - 250k -

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Web

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[Title Index](#)

An Introduction to a New Way of **Organizing** and Accessing Information ... Workshop on Network and Operating System Support for Digital **Audio** and **Video** ...
dret.net/biblio/titles - 974k - [Cached](#) - [Similar pages](#)

[Methods and apparatus for presenting content - Patent 20050166153](#)

Methods and apparatuses are described for **organizing audio**/visual content and **prefetching** selected **audio**/visual content configured to be displayed to a **user** ...
www.freepatentsonline.com/20050166153.html - 47k - [Cached](#) - [Similar pages](#)

[\[PDF\] The Use of Metadata for the Rendering of Personalized Video Delivery](#)

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Section 3 explores the unique characteristics of **audio** and **video** data. ... contain corresponding sections to **organize the user preferences** as illustrated in ...
hulk.bu.edu/pubs/papers/1997/TR-12-01-96.pdf - [Similar pages](#)

[Introduction](#)

Tip: Although this guide does not explain how to produce **audio** and **video** in formats ...

Prefetching is a powerful feature that lets you download clip data ...

service.real.com/help/library/guides/realone/ProductionGuide/HTML/htmfiles/intro.htm - 30k
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the mobile **users**. The **users' preferences** and capabilities are store in the server. ... tent, display capability, **audio** and **video** capability, multi-language ...
www.springerlink.com/index/QJPKCF3NG1GG9C57.pdf - [Similar pages](#)

[Video-Based Hypermedia for Education-on-Demand](#)

A **preference** file lets **users** change these helper applications. ... The **prefetching** on the client side can reduce jitter for **video** or **audio** and make the ...
doi.ieeecomputersociety.org/10.1109/93.664744 - [Similar pages](#)

[Enabling technology for distributed multimedia applications](#)

For **audio** and **video** data, our system must provide guarantees of delivery, ... are also provided for **users** to store their QoS **preferences** in **user** profiles. ...
www.research.ibm.com/journal/sj/364/wong.html - 74k - [Cached](#) - [Similar pages](#)

[\[PDF\] Video-Based Hypermedia for Education-on- Demand](#)

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If the author wants to **organize the video**, ... ports the **video** and **audio's user** interface, includ- ... **prefetching** rather than what's currently needed. ...
ieeexplore.ieee.org/iel4/93/14582/00664744.pdf?arnumber=664744 - [Similar pages](#)

[\[Paper\] Multiplatform E-Learning Environment – Preliminary Analysis](#)

User preference sub-dimension contains attributes such as preferred difficulty level and ... **audio** and **video** capability, and multi-language capability. ...
www.actapress.com/PDFViewer.aspx?paperId=19706 - [Similar pages](#)

[\[PDF\] Embedded Video in Hypermedia Documents: Supporting Integration and ...](#)

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can choose among the reduced-size encodings or the text, **audio** and **video** projec- ...
native depend on the combination of **user preferences** and system states. ...
[homepages.cwi.nl/~dcab/PDF/embedded_video.pdf](#) - [Similar pages](#)

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(audio video) same (user adj preference) same frequency same habit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:52
L2	1781	detect\$3 same (display adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:53
L3	814	detect\$3 with (display adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:57
L4	8	I3 and (audio video) and (user adj preference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:53
L5	132	detect\$3 near2 (display adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:57
L6	15	detect\$3 near2 (display adj window) same (audio video)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:58
L8	27	("4837414" "5793366" "6128009" "6151059" "6198481" "6288716" "6336218" "6445398" "6496927" "6522342" "6542882" "6546419" "6615248").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:22

EAST Search History

L9	56	("4837414" "4862159" "5661517" "5793366" "5850218" "5883621" "5886732" "5940387" "6128009" "6130726" "6151059" "6157411" "6182287" "6198481" "6236395" "6236395" "6248946" "6288716" "6288716" "6336218" "6336218" "6417869" "6417869" "6445398" "6480889" "6496927" "6522342" "6542882" "6542882" "6546419" "6546419" "6615248" "6615248" "6622307" "6883621").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:14
L10	6	("20010021994" "20020080169" "7065778").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:24
L11	405	715/866.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:24
L12	40	l11 and (user adj preference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:26
L13	405	l11 l12 and window	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:26
L14	28	l12 and window	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:29
L15	1911	709/231.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:29

EAST Search History

L16	194	715/747.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:30
L17	263	715/745.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:30
L18	664	715/716.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:31
L19	640	715/744.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:32
L20	265	725/44.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:32
L21	706	725/46.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:32
L22	201	725/47.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:33
L23	1	I16 and I17 and I18 and I19 and I20 and I21 and I22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:35

EAST Search History

L24	1	I16 and I17 and I18 and I19 and I20 and I21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:33
L25	1	I16 and I17 and I18 and I19 and I20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:33
L26	1	I16 and I17 and I18 and I19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:33
L27	2	I16 and I17 and I18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:34
L28	49	I16 and I17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:34
L29	1	I19 and I20 and I21 and I22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:35
L30	17	I20 and I21 and I22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:36
L31	1	I18 and I20 and I21 and I22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:36

EAST Search History

L32	1	I18 and I21 and I22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:37
L33	4	I18 and I21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:37
S1	5	"763701".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 08:50
S2	4	("6362836" "6546554").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 09:03
S3	0	organiz\$3 same audio same video same prefetch\$3 same user same preference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 06:33
S4	240	organiz\$3 same audio same video and (user adj preference) and (display same window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 06:36
S5	22	S4 and (playlist (play adj list)) and genre	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 06:37